CLAIMS

1	1.	A method of treating a	porous	plastic ob	ject comprising :
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- 2 (a) removing surface porosity of said object;
- 3 (b) smoothening said surface with a curable polymeric hardener; and
- 4 (c) curing said hardener.
- 5 2. A method according to claim 1 further comprising:
- 6 (d) sanding said surface to remove roughness.
- 7 3. A method according to claim 2 further comprising:
- 8 (e) applying a layer of lacquer to obtain a glossy appearance.
- 9 4. A method according to claim 3 further comprising:
- 10 (f) Colour printing on said surface by cubic printing, tampon printing
- or letter stanza transfer.
- 12 5. A method according to claim 3 further comprising:
- (f) Texturing said surface by spray painting.
- 14 6. A method according to claim 1 wherein said object is produced by
- selective laser sintering of nylon powder.
- 16 7. A method according to claim 1 wherein step (a) is performed by
- soaking said object in a first curable polymer having sufficiently low
- viscosity to penetrate the pores of said object; and
- 19 curing said polymer.



20 21	8.		hod according to claim 1 wherein said curable polymer in step a UV-curable lacquer.		
22 23	9.	A method of treating a porous plastic rapid prototype having a rough surface with miniature steps, said method comprising:			
24		a)	infiltrating the pores of said plastic object with a curable		
25 26		b)	polymer; curing said polymer;		
27		c)	applying an external coating of a curable polymeric hardener,		
28			said hardener having sufficient viscosity to remain on said		
29			surface and to fill up said miniature steps to form a smooth		
30		•	surface; and		
31		d)	curing said hardener.		
32	10.	A met	hod according to claim 9 further comprising :		
33		e) sar	nding said surface remove roughness.		
34	11.	A met	hod according to claim 10 further comprising :		
35		f) app	lying a layer of lacquer on said surface to obtain a glossy		
36		appea	rance.		
37	12.	A met	hod according to claim 11 further comprising :		
38		f) perf	orming Tampon printing, letter stanza transfer or cubic printing		
39		on sai	d surface.		
40	13.	A met	hod according to claim 9 wherein said prototype is made from		
41		nylon	using selective laser sintering.		
42/	14.	A plas	stic rapid prototype containing pores and miniature steps on		

the surface, said pores infiltrated and sealed with a polymeric resin,

44		said miniature steps smoothened by a polymeric hardener whereby
45		further post-processing may be performed on said surface.
46	15.	A rapid prototype according to claim 14 further comprising a coating
47		of high glossy lacquer over said hardener coating.
48	16.	A rapid prototype according to claim 14 further comprising a coating
49		of paint over said coating of hardener.
50	17.	A rapid prototype according to claim 15 further comprising a coating
51		of painting over said coating of high glossy lacquer.
52	18.	A rapid prototype according to claim 16 wherein said paint coating is
53		textured.
54(19.	A method of treating the surface of a plastic object comprising :
55		a) smoothening said surface with a curable polymeric hardener;
56		and
57		b) curing said hardener
58	20.	A method according to claim 19 further comprising :
59		c) sanding said surface to remove roughness.
60	21.	A method according to claim 20 further comprising:
61		d) applying a layer of lacquer to obtain a glossy appearance.
62_	32-	A plastic rapid prototype containing miniature steps on the surface,
63		said steps smoothened by a polymeric hardener whereby further
64		post-processing may be performed on said surface.
65	23.	A rapid prototype according to claim 22 further comprising a coating

of high glossy lacquer over said hardener coating.

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- 67 24. A rapid prototype according to claim 22 further comprising a coating 68 of high glossy lacquer over said hardener coating.
- A rapid prototype according to claim 22 further comprising a coating of paint over said coating of hardener.
- 71 26. A rapid prototype according to claim 25 wherein said coating of paint 72 is textured.